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Message Text

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15
ACTION OES-05

INFO OCT-01 EUR-12 ISO-00 FEA-01 ACDA-10 CIAE-00 INR-07

IO-10 L-02 NSAE-00 NSC-05 RSC-01 /054 W
---------- 020410
R 141010Z JAN 75
FM USMISSION EC BRUSSELS
TO AEC GERMANTOWN 1399
INFO SECSTATE WASHDC 8100
AMEMBASSY PARIS

UNCLAS EC BRUSSELS 00274

AEC PASS TO H. BROWN, DR; R.P. AENISE, LTR; A.S. FRIEDMAN, DIP;
E.E. KINTNER, RRD; H.C. KOUTS, RSR; G. MERCER, RRD;
LM. MUNTZING, DR; T. NEMZEK, RRD

E.O. 11652: N/A
TAGS: TECH, F
SUBJECT: PHENIX REACTOR STATUS

1. FOLLOWING INFORMATION PROVIDED BY ANDRE CREGUT, SITE MANAGER, PHENIX REACTOR, MARCOULE.

2. THE PHENIX REACTOR WAS SHUT DOWN AFTER NEW YEAR'S DAY FOR FUEL HANDLING AND MAINTENANCE. POWER OPERATION IS SCHEDULED TO RESUME AT THE END OF THIS WEEK.

3. FULL POWER OPERATION WILL NOW BE AUTHORIZED AT 264 MWE, 12 MWE ABOVE THE PREVIOUS MAXIUMU RATING. POWER OPERATION AT THE ELEVATED LEVEL DURING DECEMBER SHOWED THAT CRITICAL DESIGN LIMITS SUCH AS ROOF AND FUEL TEMPERATURES WERE NOT EXCEEDED. IN FACT, FUEL HOT SPOT TEMPERATURES WERE CALCULATED AS 40-50 DEGREES C BELOW MAXIMUM ALLOWABLE VALUES. THE REACTOR POWER LEVEL IS NOW ACTUALLY LIMITED BY THE TURBOGENERATOR RATING.

4. FIVE ASSEMBLIES WERE REMOVED DURING THE FUEL HANDLING OPERATION AND PLACED INTO STORAGE. IT IS BELIEVED THAT ALL WERE MIXED OXIDES, BUT THE QUESTION WAS NOT DIRECTLY ASKED.
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TWO ARE ALREADY OUT OF STORAGE, AND HAVE BEEN DISMANTLED IN

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THE IRRADIATED ELEMENTS CELL. INDIVIDUAL PINS HAVE BEEN
PLACED INTO A COFFIN FOR SHIPMENT TO FONTENAY-AUX-ROSES FOR
COMPLETE DESTRUCTIVE EXAMINATION. MAXIMUM BURNUP IS REPORTED
AS 35,000 MWD/T. CREGUT STATED, IN ANSWER TO A DIRECT QUESTION,
THAT THE SUBASSEMBLY DUCTS SHOWED NO BOW AND THAT THERE WERE NO
CAN PROBLEMS. HE DID NOT COMMENT ON THE APPEARANCE OF THE PINS.
HE DID VOLUNTEER THE INFORMATION THAT THERE HAS YET TO BE AN
INSTRUMENT SIGNAL INDICATING A PIN FAILURE.

5. THE FUEL PINS IN THE THREE ASSEMBLIES IN STORAGE WILL NOT
BE EXAMINED, BUT SHIPPED DIRECTLY TO LA HAGUE FOR REPROCESSING.
GREENWALD

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Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: NUCLEAR REACTORS, PHENIX, ELECTRIC POWER
Control Number: n/a
Copy: SINGLE
Draft Date: 14 JAN 1975
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Authority: n/a
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 JAN 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1975ECBRU00274
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Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: N/A
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